

GILA RIVER BASIN

0950750 FOSSIL CREEK DIVERSIONS TO CHILDS POWERPLANT, NEAR CAMP VERDE, AZ

LOCATION--Lat 34°22'06", long 111°39'56", in NE_{1/4}SW_{1/4} sec. 20, T.11 N., R.7 E. (unsurveyed), Yavapai County, Hydrologic Unit 15060203, at head of Stehr Lake, 2.3 mi northeast of Childs powerplant, 4.4 mi by flume downstream from Irving powerplant, and 17 mi southeast of Camp Verde.

PERIOD OF RECORD--Jan. 1952 to current year.

GAGE--Water-stage recorder and weir in concrete flume. Datum of gage is 3,716.2 ft above sea level.

REMARKS--No estimated daily discharge. Records good. Record is obtained at the head of Stehr Lake, a regulatory basin, and shows the water used by Childs powerplant.

Most of the flow originates at Fossil Springs, which are fairly constant. Diversion is made from Fossil Creek 8 mi upstream from this station and is first used by Irving powerplant. A second diversion from Fossil Creek enters the flume below Irving powerplant. Based on estimates and records for previous years, the flow through the Irving powerplant is estimated to be about 99 percent of the record published herewith.

EXTREMES FOR PERIOD OF RECORD--Maximum daily discharge, 58 ft³/s Aug. 1 and 2, 1982; no flow at times in most years.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	36	37	37	38	38	39	38	36	37	37	38	37
2	37	37	37	38	38	39	38	37	37	37	38	37
3	37	37	37	38	38	38	38	38	37	37	37	37
4	37	36	37	38	38	38	38	38	37	37	37	37
5	37	36	37	37	38	38	38	37	37	37	37	37
6	37	36	37	37	38	38	38	37	37	37	37	37
7	36	36	37	36	39	38	38	37	35	37	37	36
8	36	36	37	36	39	38	34	37	37	38	37	37
9	36	36	37	36	39	39	36	37	37	38	37	36
10	36	36	37	36	39	38	36	37	38	38	36	37
11	36	36	37	36	39	38	36	37	38	38	37	37
12	36	37	37	37	38	38	36	37	38	38	37	37
13	36	37	37	38	38	38	37	37	30	38	37	37
14	36	36	37	38	39	38	37	37	36	38	37	37
15	36	36	37	38	39	38	37	37	36	38	37	37
16	36	35	37	38	39	38	38	37	37	38	36	37
17	36	34	37	38	39	38	37	37	37	38	37	37
18	36	34	37	38	39	38	37	28	37	38	37	37
19	36	34	38	38	39	38	37	37	36	38	37	36
20	36	34	38	38	39	38	37	37	36	38	37	36
21	36	34	38	38	39	38	37	37	36	38	36	35
22	36	34	38	38	39	38	37	37	36	38	36	35
23	36	34	37	38	39	38	37	37	36	38	36	35
24	36	35	37	38	39	38	37	37	36	37	37	35
25	36	36	38	38	38	38	37	37	36	37	37	35
26	36	36	37	38	39	38	24	37	36	37	37	35
27	37	36	36	38	39	38	0.44	37	37	37	37	35
28	37	36	36	38	39	38	0.44	37	36	37	37	35
29	37	37	37	38	39	38	22	37	37	38	37	35
30	37	37	38	38	38	38	37	37	37	38	37	35
31	37	---	38	38	---	38	---	37	---	38	37	---
TOTAL	1126	1071	1152	1165	1122	1181	1009.88	1139	1093	1166	1144	1086
MEAN	36.3	35.7	37.2	37.6	38.7	38.1	33.7	36.7	36.4	37.6	36.9	36.2
MAX	37	37	38	38	39	39	38	38	38	38	38	37
MIN	36	34	36	36	38	38	0.44	28	30	37	36	35
MED	36	36	37	38	39	38	37	37	37	38	37	37
AC-FT	2230	2120	2280	2310	2230	2340	2000	2260	2170	2310	2270	2150

CAL YR 2003	TOTAL	13679	MEAN	37.5	MAX	40	MIN	34	MED	38	AC-FT	27130
WTR YR 2004	TOTAL	13454.88	MEAN	36.8	MAX	39	MIN	0.44	MED	37	AC-FT	26690